

Qualification Test Record for 1.4462 bars Ø 20 to 75 mm NORSOK M-650

QTR N°: SMQ 819578

Rev. N°: A

Date: 18/02/2020

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Manufacturer name address/Web page:		UGITECH S.A. Avenue Paul Girod, F-73403 UGINE Cedex, France www.ugitech.com								
Reference standard		NORSOK M-650 Rev. 4								
Material designation and MDS No.:		Grade and specification: Type 22Cr duplex								
		STAINLESS STEEL DUPLEX 1.4462 (EN 10088) 22Cr5Ni X2CrNiMoN22-5-3								
		ASTM A479 Grade UNS S 32205 and UNS S 31803								
		In compliance with the requirements of NORSOK MDS D47, Rev. 6								
Manufacturing summary doc. No.:		Flow chart: Synoptique AF 98 Rev. No.: dated 30/04/2018								
Products and manufacturing process:		Melting process: Electric arc furnaces Refining AOD Continuous cast Heat from Ugine Melting shop								
		<u>Hot rolling process:</u> Bars diameter Ø 20 to 75 mm								
Mandatory conditions and sub-contractors:		Condition: TT4 furnaces n° 26 or n° 27 for solution heat treatment Temperature 1020°C to 1060°C, water + polymer quenching Time between furnace and quenching ≤ 90 s Temperature of water + polymer bath ≤ 70°C								
Other information:			3			-				
Qualification expires:		February, 2025								
	Te	sted and	Qualified Th	nickness ar	nd Weight					
		record No.	Tested thickness mm (bar OD)	Qualified thickness mm (bar OD)	Test bar weight	Qualified weight ka				
Bars diameter Ø 20 to 75 mm	Bars diameter Ø		75 mm	20 – 75 mm		n/a				
		Qualifica	ation/accep	tance signa	atures					
Manufacturer:		Prepared by/Date: O.MARTEL Checked by/Date: G. PELLISSIER								
UGITECH		18/02/2020		18/02/20	20					
The mar					liance with the requiremen	nts of				
This accepta	ance does	not exempt any		responsibility to e	nsure that this qualificatio	n is valid				
Qualified/Accepted by: for his products within the ess				ial variables of NORSOK M-650. Signature/Date:Lloyd's Register EMEA/8FES20						
Lloyd's Register EMEA, Tour Swiss Life					T. CUREY Lyon Office	ন্ত				
1, boulevard Vivier Merle Fr-69443 Lvon cedex 03					veriewed witnessed	Lloyd's Registe:				

1, boulevard Vivier Merle Fr-69443 Lyon cedex 03



Qualification Test Record for 1.4462 bars Ø 75,01 to 120 mm NORSOK M-650

QTR N°: SMQ 819579

Rev. N°: A

Date: 18/02/2020

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Manufacturer name address/Web page:		UGITECH S.A. Avenue Paul Girod, F-73403 UGINE Cedex, France www.ugitech.com								
Reference standard		NORSOK M-650 Rev. 4								
Material designation and MDS No.:		Grade and specification: Type 22Cr duplex								
		STAINLESS STEEL DUPLEX 1.4462 (EN 10088) 22Cr5Ni X2CrNiMoN22-5-3								
		ASTM A479 Grade UNS S 32205 and UNS S 31803								
		In compliance with the requirements of NORSOK MDS D47, Rev. 6								
Manufacturing summary doc. No.:		Flow chart: Synoptique AF			98 Rev. No.: dated 30/04/2018					
Products and manufacturing process:		Melting process: Electric arc furnaces Refining AOD Continuous cast Heat from Ugine Melting shop								
		<u>Hot rolling process:</u> Bars diameter Ø 75,01 to 120 mm								
Mandatory conditions and sub-contractors:		Condition: TT4 furnaces n° 26 or n° 27 for solution heat treatment Ø > 75 mm : temperature 1090°C to 1130°C, water quenching Time between furnace and quenching ≤ 90 s Temperature of water bath ≤ 50°C								
Other information:										
Qualification expires:		February, 2025								
	Te	sted an	d Qualified Th	nickr	ness and	l Weight				
Products and manufacturing	Products and Test r manufacturing		ecord No. Tested thickness mm (bar OD)		Qualified hickness n (bar OD)	Test bar weight	Qualified weight			
Bars diameter Ø 75,01 to 120 mm		780 rev. C	115 mm			n/a	kg n/a			
70,01 to 120 11111		Qualifi	ication/accept	tanc	e signat	ures				
Manufacturer:		Prepared	by/Date: O.MARTEL		Checked by	/Date: G. PELLISSIEF	2			
UGITECH		18/02/2020			18/02/2020					
ОбПЕСП										
	N0 nce does	DRSOK M-65 not exempt a	0 for supply of the abo	ve liste <i>respor</i>	ed products an	ure that this qualification				
Qualified/Accepted b	y:				ature/Date:	Lloyd's Register EM	EARECR ?			
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